

FLUID DROP DISPENSING

ABSTRACT OF THE DISCLOSURE

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A method and apparatus in which a pulse jet (such as a thermoelectric or piezoelectric pulse jet) deposit drops and the pulse jet is struck at least once. A housing of the pulse jet may particularly be struck in a same direction in which drops are ejected from the pulse jet and, for example, a rate of 0.2 to 10 strikes/second with each strike delivering
10 between 10 mJ to 150 mJ. The method and apparatus may particularly be applied application to the fabrication of biopolymer (such as DNA) arrays, and in the striking may for example particularly be applied after loading of the pulse jet through a drop dispensing orifice.